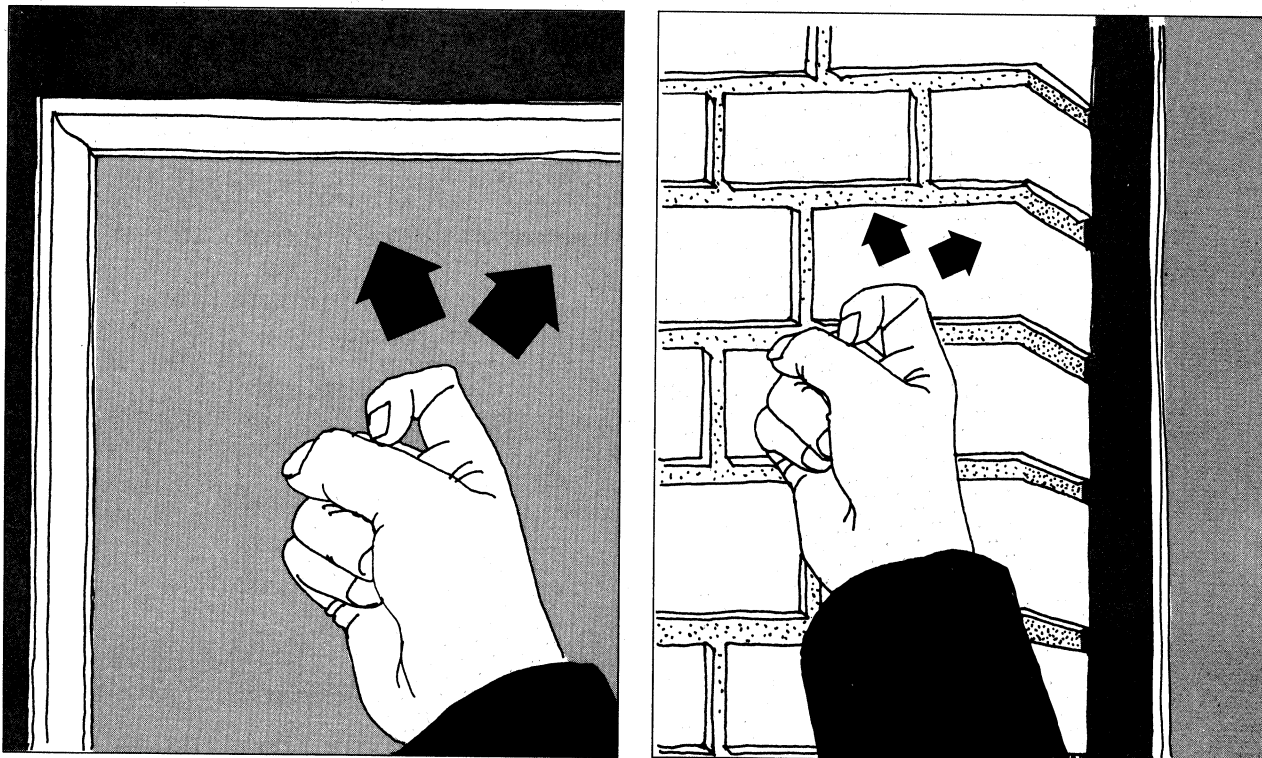


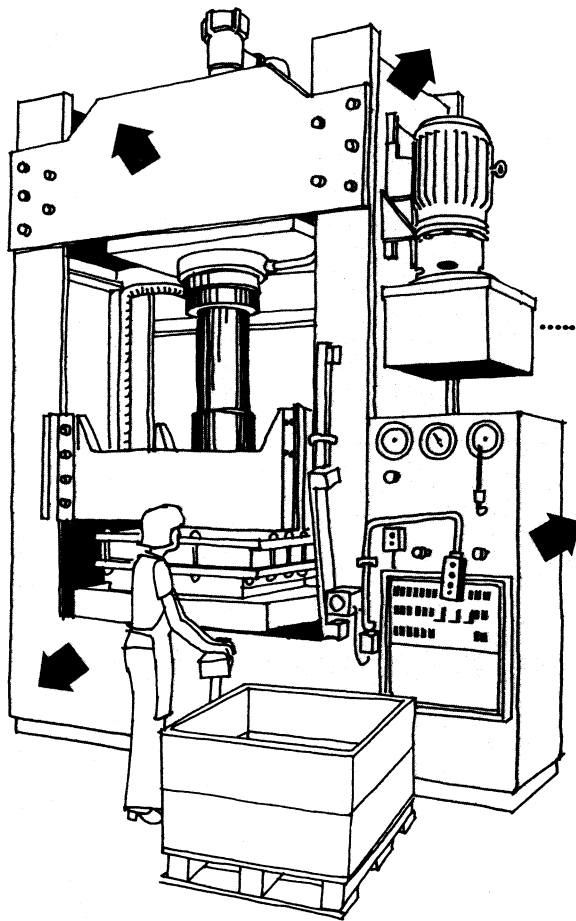
# **MACHINES WHICH VIBRATE SHOULD BE MOUNTED ON HEAVY, RIGID BASES**

Knocking on a thin door produces more sound than knocking on a thick wall. For the same reason, noise sources should be mounted on heavy or rigid bases.

## **Principle**



## Application of different ways of machine mounting



### Example

A motor-driven oil pump is placed on the side of the frame of a hydraulic press. Vibrations are transmitted to all parts of the frame, which convert the solid borne sound to loud airborne sound.

### Control Measure

The oil system is removed from the press and installed in a rigid frame directly bolted to the thick massive floor. Sound transmission in the oil line is controlled with a muffler. The sound level at the operator's position drops significantly.

